

*FIG. 1*

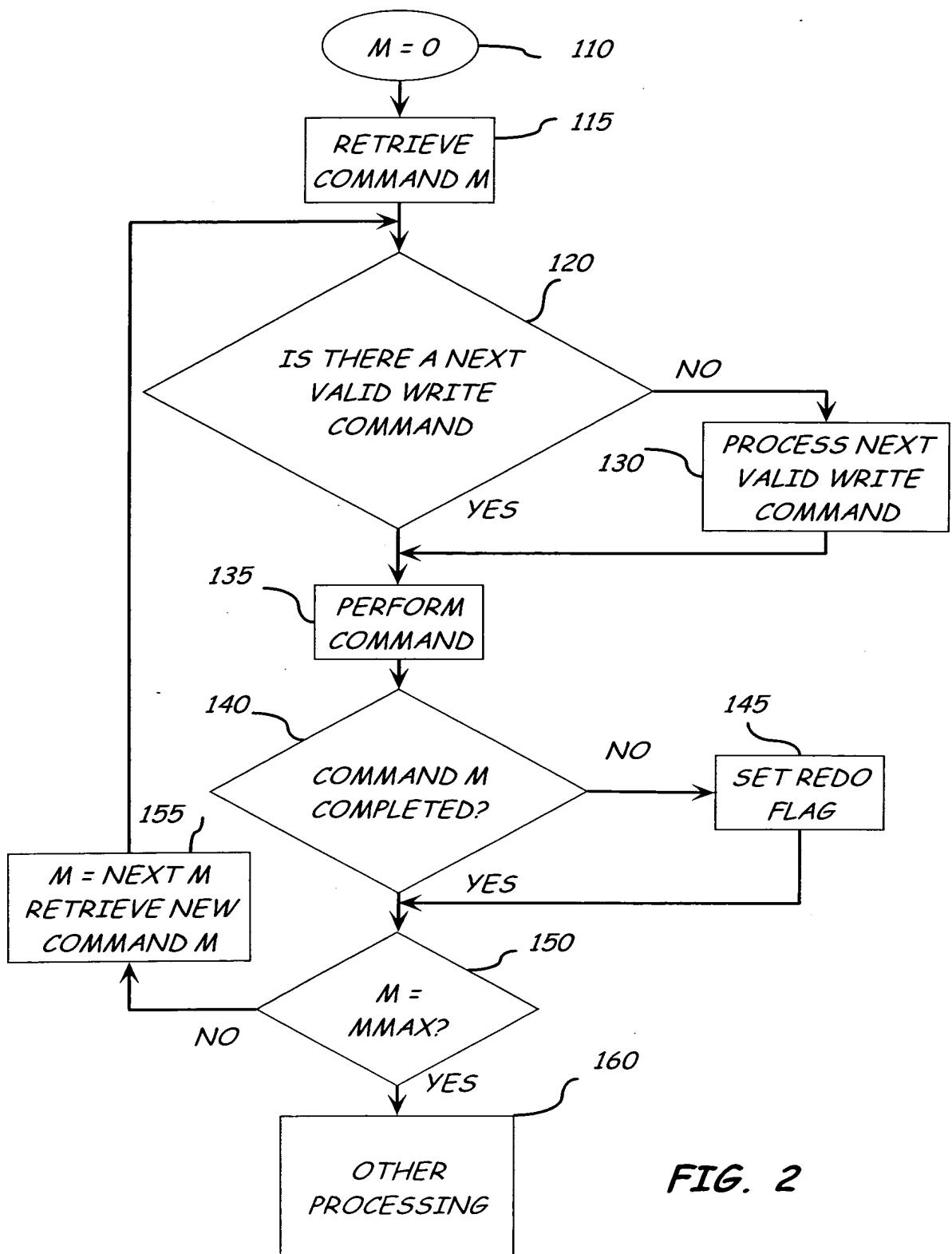
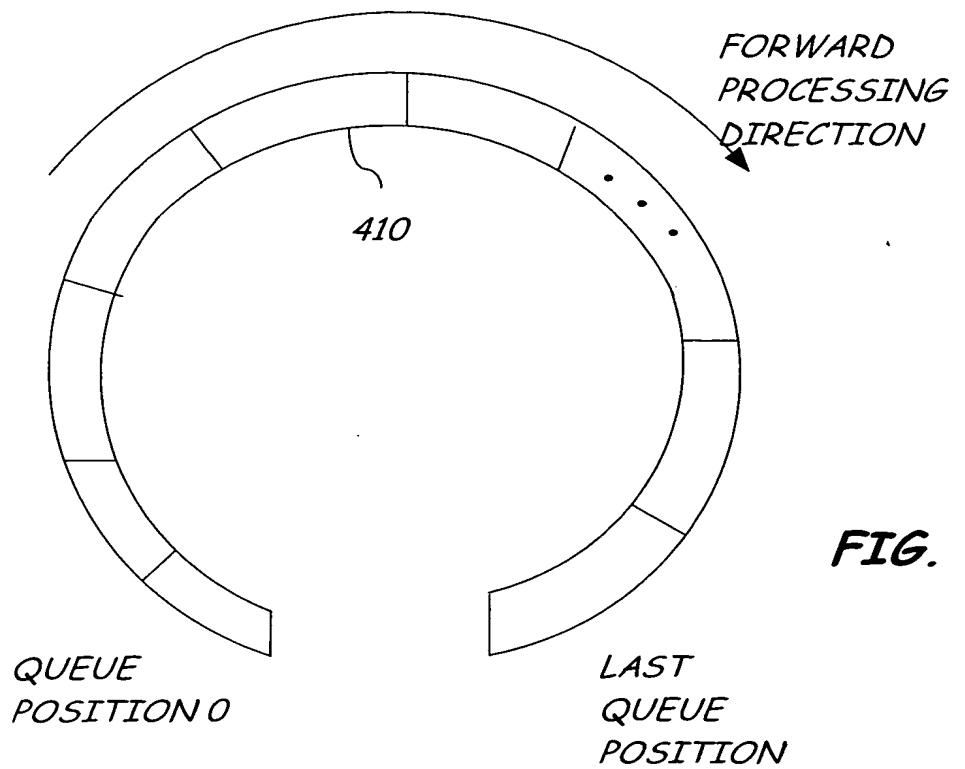


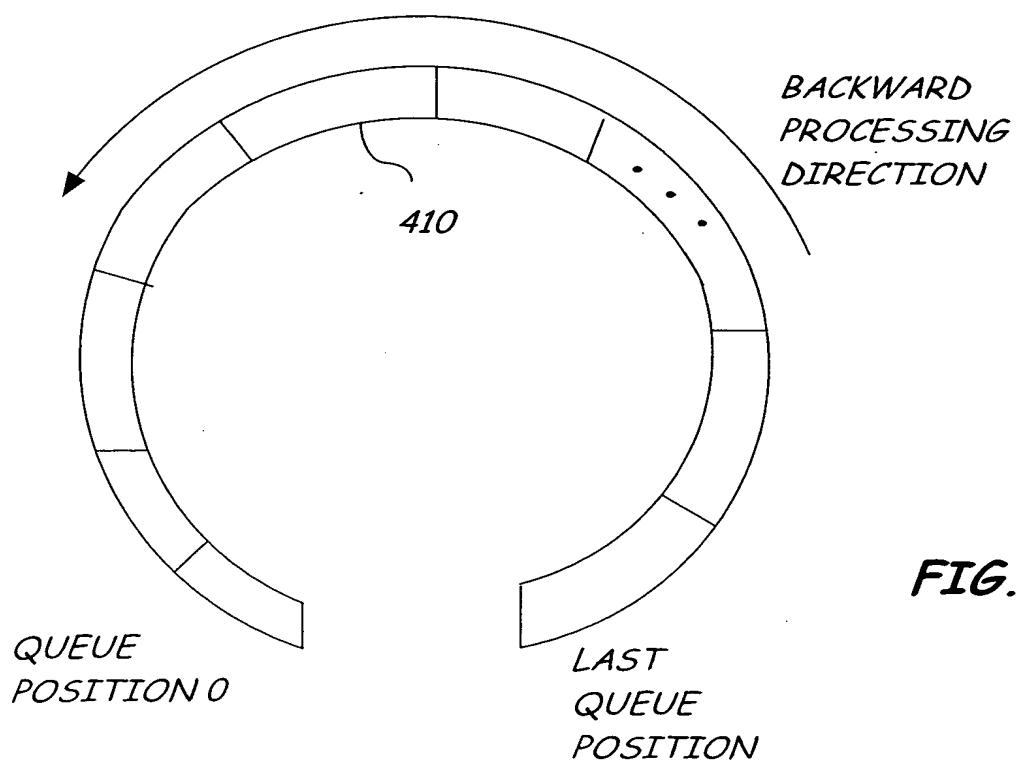
FIG. 2

QUEUE ENTRY	VALID FLAG	DIRECTION	COMMAND	NEXT VALID WRITE ADDR POINTER
0	YES	INBOUND	READ A	6
1	YES	INBOUND	READ B	6
2	YES	INBOUND	READ C	6
3	YES	INBOUND	READ D	6
4	YES	INBOUND	READ E	6
5	YES	INBOUND	READ F	6
6	YES	OUTBOUND	WRITE G	8
7	YES	INBOUND	READ H	8
8	YES	OUTBOUND	WRITE I	6
9	NO	INBOUND	N/A	6
10	NO	INBOUND	N/A	6
11	NO	INBOUND	N/A	6
12	NO	INBOUND	N/A	6
13	NO	OUTBOUND	N/A	6
14	NO	OUTBOUND	N/A	6
15	NO	INBOUND	N/A	6

FIG. 3



**FIG. 4**



**FIG. 5**

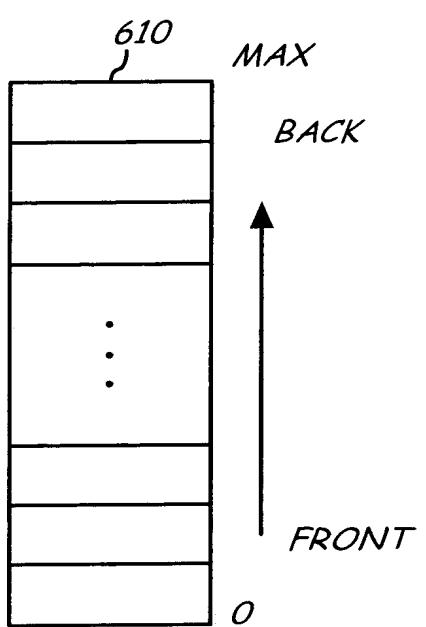


FIG. 6

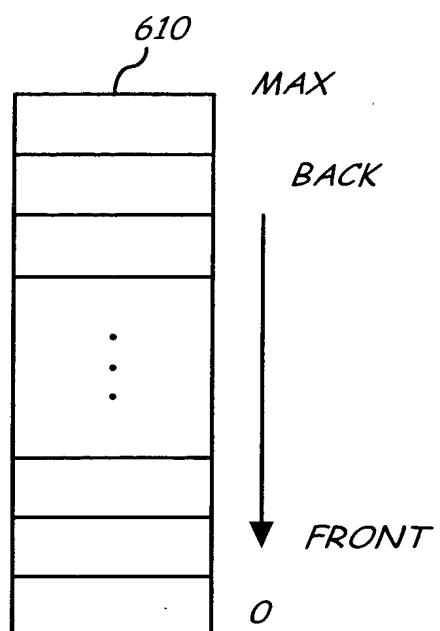


FIG. 7

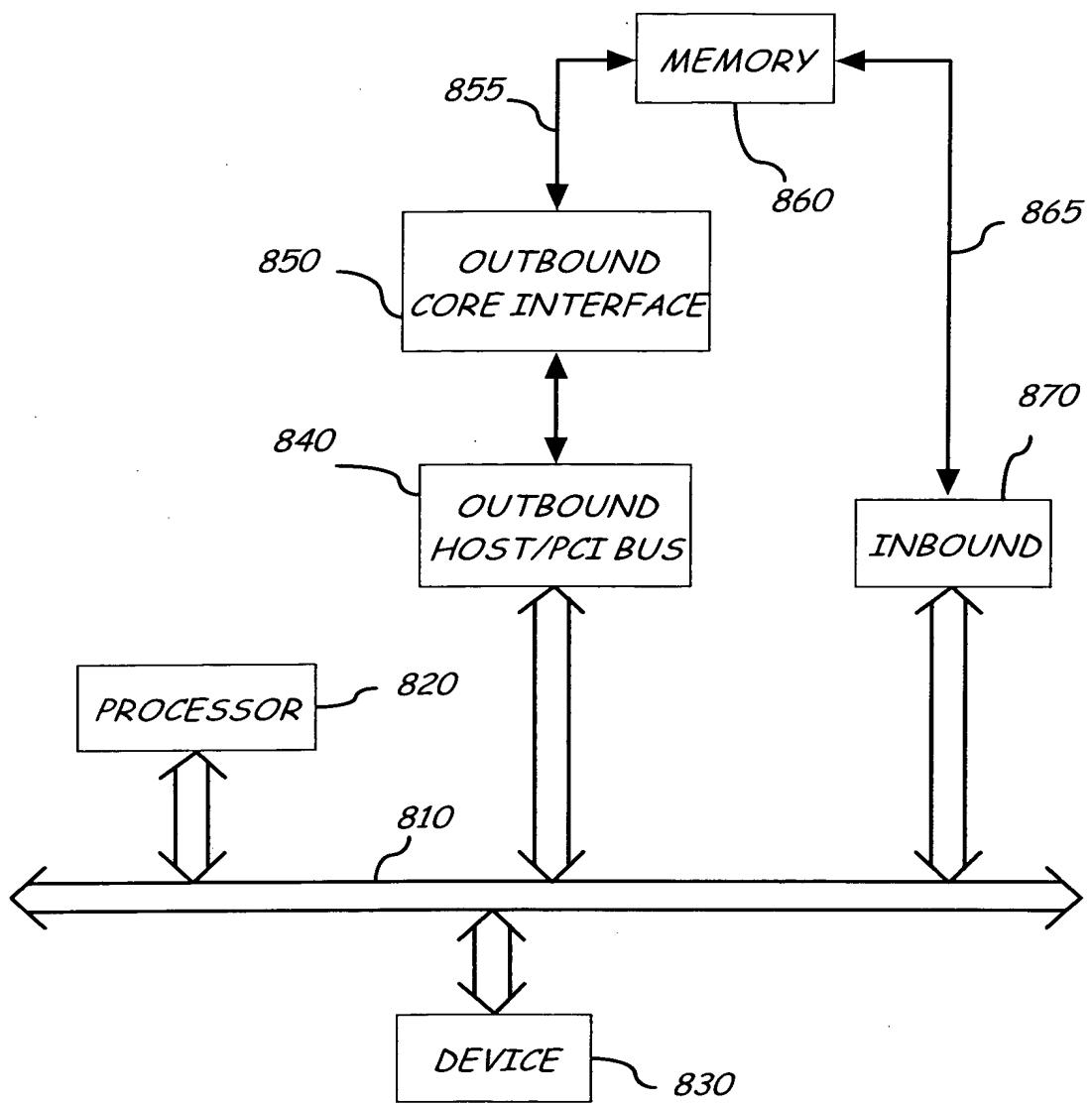


FIG. 8